



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **02416130**(22) Date of filing: **27.12.1990**(71) Applicant: **SUMITOMO METAL IND LTD**(72) Inventor: **FUJIOKA YASUhide****(54) PRODUCTION OF HIGHLY CORROSION
RESISTANT OIL WELL PIPE****(57) Abstract:**

PURPOSE: To produce a highly corrosion resistant oil well pipe having high strength and excellent in sulfide stress corrosion cracking resistance under an environment containing hydrogen sulfide.

CONSTITUTION: A stock of a steel having a composition consisting of 0.20-0.30% C, 0.10-0.40% Si,

0.40-1.00% Mn, $\leq 0.020\%$ P, $\leq 0.020\%$ S, 0.80-1.20% Cr, 0.20-0.80% Mo, one or ≥ 2 kinds among 0.010-0.030% Ti, 0.020-0.040% Nb, and 0.0010-0.0020% B, and the balance Fe with inevitable impurities is heated, pierced, cooled rapidly down to a temp. not higher than the martensite transformation initiating temp. at a rate of $\geq 10^\circ\text{C/sec}$, reheated to 750-900°C, and finish-rolled. The resulting steel tube is finished by means of quench-and-temper.

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